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1 Continuous queries in oracle
Andrew Witkowski, Srikanth Bellamkonda, Hua-Gang Li, Vince Liang, Lei SI
Subramanian, James Terry, Tsae-Feng Yu
September 2007 **VLDB '07:** Proceedings of the 33rd international conferenc
Publisher: VLDB Endowment
Full text available: 📄 Pdf (165.85 KB)   Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 15,   Downloads (12 Months): 126,   Citatic

This paper describes Continuous Queries (CQ) in Oracle RDBMS, a featu
complex event processing into an RDBMS, the first such attempt in com
based on the concept of query difference and allows ...

2 Retrospective on Aurora
Hari Balakrishnan, Magdalena Balazinska, Don Carney, Uğur Çetintemel, M
Eddie Galvez, Jon Salz, Michael Stonebraker, Nesime Tatbul, Richard Tibbe
December 2004 **The VLDB Journal — The International Journal on Ver**
                        Issue 4
Publisher: Springer-Verlag New York, Inc.
Full text available: 📄 Pdf (349.43 KB)   Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 5,   Downloads (12 Months): 47,   Citation

This experience paper summarizes the key lessons we learned throughc
of the Aurora stream-processing engine. For the past 2 years, we have
applications using Aurora. We first describe in detail ...

Keywords: Data stream management, Distributed stream processing,
of-service, Stream-processing engines

3 Queue: Volume 6 Issue 3
May 2008   Queue
Publisher: ACM
Full text available: 📄 Digital Edition , 📄 Pdf (5.56 MB) Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 107,   Downloads (12 Months): 723,   Citat

4 Compiling mappings to bridge applications and databases
Sergey Melnik, Atul Adya, Philip A. Bernstein
November 2008 **Transactions on Database Systems (TODS)** , Volume 33 I
Publisher: ACM ⬥ Request Permissions
Full text available: 📄 Pdf (1.40 MB)   Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 38,   Downloads (12 Months): 455,   Citatic

Translating data and data access operations between applications and d

management problem. We present a novel approach to this problem, in the application data and the persistent storage is ...

Keywords: Mapping, query rewriting, updateable views

5 Extending query rewriting techniques for fine-grained access control
Shariq Rizvi, Alberto Mendelzon, S. Sudarshan, Prasan Roy
June 2004   **SIGMOD '04**: Proceedings of the 2004 ACM SIGMOD internatic of data
Publisher: ACM Request Permissions
Full text available: Pdf (172.57 KB)   Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 16,   Downloads (12 Months): 122,   Citatic

Current day database applications, with large numbers of users, require mechanisms, at the level of individual tuples, not just entire relations/vi data can be accessed by each user. Fine-grained ...

6 Cache-oblivious databases: Limitations and opportunities
Bingsheng He, Qiong Luo
June 2008   **Transactions on Database Systems (TODS)** , Volume 33 Issue
Publisher: ACM Request Permissions
Full text available: Pdf (1.09 MB)   Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 35,   Downloads (12 Months): 316,   Citatic

Cache-oblivious techniques, proposed in the theory community, have op amount of data transferred between any two adjacent levels of an arbitr this optimal performance is achieved without any ...

Keywords: Cache-oblivious, cache-conscious, chip multiprocessors, da multithreading

7 Peta-scale data warehousing at Yahoo!
Mona Ahuja, Cheng Che Chen, Ravi Gottapu, Jörg Hallmann, Waqar Hasan, Kozyrczak, Ramesh Pabbati, Neeta Pandit, Sreenivasulu Pokuri, Krishna Up
June 2009   **SIGMOD '09**: Proceedings of the 35th SIGMOD international c
Publisher: ACM Request Permissions
Full text available: Pdf (823.92 KB)   Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 100,   Downloads (12 Months): 187,   Citat

Insights based on detailed data on consumer behavior, product perform are driving innovation and competition in the internet space. We introdu warehousing engine, based on a column architecture ...

Keywords: analytics, business intelligence, column database, column s database, vector query processing

8 Replay-based approaches to revision processing in stream query en
Anurag S. Maskey, Mitch Cherniack
March 2008 **SSPS '08**: Proceedings of the 2nd international workshop on S
Publisher: ACM
Full text available: Pdf (433.78 KB)   Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 6,   Downloads (12 Months): 53,   Citation

Data stream processing systems have become ubiquitous in academic a
application areas that include financial services, network traffic analysis
control. The append-only model of streams implies ...

Keywords: corrections, revision processing, revisions, streams

9 Horizontal aggregations for building tabular data sets
Carlos Ordonez
June 2004   **DMKD '04:** Proceedings of the 9th ACM SIGMOD workshop on
and knowledge discovery
Publisher: ACM
Full text available: Pdf (183.18 KB)   Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 6,   Downloads (12 Months): 53,   Citation

In a data mining project, a significant portion of time is devoted to builc
analysis. In a relational database environment, building such data set u
aggregating columns with SQL queries. Existing ...

10 SQL memory management in Oracle9i
Benoît Dageville, Mohamed Zait
August 2002 **VLDB '02:** Proceedings of the 28th international conference or
Publisher: VLDB Endowment
Full text available: Pdf (107.63 KB)   Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 4,   Downloads (12 Months): 52,   Citation

Complex database queries require the use of memory-intensive operatc
operators need memory, also referred to as SQL memory, to process th
sort operator uses a work area to perform the in-memory ...

11 Bridging the gap between OLAP and SQL
Jens-Peter Dittrich, Donald Kossmann, Alexander Kreutz
August 2005 **VLDB '05:** Proceedings of the 31st international conference or
Publisher: VLDB Endowment
Full text available: Pdf (409.18 KB)   Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 6,   Downloads (12 Months): 90,   Citation

In the last ten years, database vendors have invested heavily in order t
features for decision support. Examples of functionality that has been a
7], spreadsheet computations [19], grouping ...

12 Adding subqueries to MySQL, what does it take to have a decision-s
Antonio Badia, Matt Chanda, Bin Cao
November 2002 **DOLAP '02:** Proceedings of the 5th ACM international work
OLAP
Publisher: ACM Request Permissions
Full text available: Pdf (200.24 KB)   Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 11,   Downloads (12 Months): 83,   Citatior

MySQL is an OLTP system without the ability to handle SQL subqueries.
optimization, we add subquery processing to MySQL through rewriting.
handle subqueries in the FROM clause; then ...

Keywords: SLQ, query optimization, unnesting

13

Scaling replica maintenance in intermittently synchronized mobile da
Wai Gen Yee, Michael J. Donahoo, Edward Omiecinski, Shamkant B. Navatl
October 2001 **CIKM '01:** Proceedings of the tenth international conference
management
Publisher: ACM ◈ Request Permissions
Full text available: Pdf (2.20 MB)   Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 3,   Downloads (12 Months): 31,   Citation

To avoid the high cost of continuous connectivity, a class of mobile appl
shared data that are periodically updated. Updates to these replicas are
by-client basis--that is, the server individually ...

Keywords: distributed databases, intermittent synchronization, mobile

14 Communications of the ACM: Volume 52 Issue 9
September 2009 Communications of the ACM
Publisher: ACM
Full text available: Digital Edition , Pdf (7.28 MB) Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 2250,   Downloads (12 Months): 2250,   Ci

15 To tune or not to tune?: a lightweight physical design alerter
Nicolas Bruno, Surajit Chaudhuri
September 2006 **VLDB '06:** Proceedings of the 32nd international conferenc
Publisher: VLDB Endowment
Full text available: Pdf (733.90 KB)   Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 7,   Downloads (12 Months): 44,   Citation

In recent years there has been considerable research on automating the
systems. Current techniques provide good recommendations, but are re
DBAs somewhat conservative when deciding to launch a resource-inten:

16 MIL primitives for querying a fragmented world
Peter A. Boncz, Martin L. Kersten
October 1999 **The VLDB Journal — The International Journal on Very**
2
Publisher: Springer-Verlag New York, Inc.
Full text available: Pdf (261.36 KB)   Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 5,   Downloads (12 Months): 37,   Citation

In query-intensive database application areas, like decision support and
vertical fragmentation have a significant performance advantage. In orc
oriented applications on top of such a fragmented ...

Keywords: Database systems, Main-memory techniques, Query langua
fragmentation

17 Database-aware semantically-smart storage
Muthian Sivathanu, Lakshmi N. Bairavasundaram, Andrea C. Arpaci-Dusse:
December 2005 **FAST'05: Proceedings of the 4th conference on USENI**
Storage Technologies - Volume 4 , Volume 4
Publisher: USENIX Association
Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): n/a,   Downloads (12 Months): n/a,   Citatic

Recent research has demonstrated the potential benefits of building sto
file systems above them. Such "semantically-smart" disk systems use k
structures and operations to improve performance, availability, ...

18 Why go logarithmic if we can go linear?: Towards effective distinct co
Ahmed Metwally, Divyakant Agrawal, Amr El Abbadi
March 2008 **EDBT '08:** Proceedings of the 11th international conference or
Advances in database technology
Publisher: ACM

Full text available: Pdf (277.07 KB)   Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 13,   Downloads (12 Months): 101,   Citatic

Estimating the number of distinct elements in a large multiset has sevel
attracted active research in the past two decades. Several sampling and
proposed to accurately solve this problem. The ...

19 PNUTS: Yahoo!'s hosted data serving platform
Brian F. Cooper, Raghu Ramakrishnan, Utkarsh Srivastava, Adam Silberste
Jacobsen, Nick Puz, Daniel Weaver, Ramana Yerneni
August 2008 **Proceedings of the VLDB Endowment** , Volume 1 Issue 2
Publisher: VLDB Endowment

Full text available: Pdf (495.87 KB)   Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 26,   Downloads (12 Months): 224,   Citatic

We describe PNUTS, a massively parallel and geographically distributed
web applications. PNUTS provides data storage organized as hashed or
large numbers of concurrent requests including updates ...

20 Proxy-server architectures for OLAP
Panos Kalnis, Dimitris Papadias
June 2001   **SIGMOD '01:** Proceedings of the 2001 ACM SIGMOD internatii
of data
Publisher: ACM Request Permissions

Full text available: Pdf (215.70 KB)   Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 8,   Downloads (12 Months): 77,   Citation

Data warehouses have been successfully employed for assisting decision
of the enterprise data and providing mechanisms for On-Line Analytical
warehouses are utilized within the limits of ...

Also published in:
June 2001 **SIGMOD Record** Volume 30 Issue 2